

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	solenoid same energizing frequency with (exceed or surpass or faster or more frequent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:33
L2	3	energizing frequency with (exceed or surpass or faster or more frequent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:33
L3	0	frequency with solenoid actuation with (monitored or measured)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:36
L4	0	frequency with solenoid actuation with (monitored or measured)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:36
L5	0	frequency with solenoid actuations with (monitored or measured)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:37
L6	11	frequency with solenoid actuations	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:37
L7	7	solenoid with burnout with protection	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	ON	2008/06/12 14:40
S1	3	("5107424" "5179905" "4038528").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/18 16:23
S3	11	("4038528").URPN.	USPAT	ADJ	ON	2007/08/18 16:27
S4	4	("5179905").URPN.	USPAT	ADJ	ON	2007/08/18 16:27
S5	24	("5107424").URPN	USPAT	ADJ	ON	2007/11/02 20:20
S10	2	richy-ron\$.in.	USPAT	ADJ	ON	2007/08/18 16:32
S11	1	ruddeer	USPAT	ADJ	ON	2007/08/21 14:14
S12	7346	rudder	USPAT	ADJ	ON	2007/08/21 14:14
S13	3657	rudder same control	USPAT	ADJ	ON	2007/09/04 18:30
S14	3027	rudder with control	USPAT	ADJ	ON	2007/08/21 14:15
S15	7	(rudder with control) and (rudder error)	USPAT	ADJ	ON	2007/08/21 14:15

S16	241	701/21.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 11:48
S18	725	114/162.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/08/26 16:55
S20	92	114/144re.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/08/26 17:03
S21	152	114/144a.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/08/26 17:03
S22	385	richey.in.	USPAT	ADJ	ON	2007/09/04 09:30
S23	725	114/162.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/04 17:50
S24	480	S23 and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/04 17:45
S25	3	S23 and rudder with error	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/04 17:45
S26	12	114/162.ccls. and solenoid	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/04 18:05
S27	70	114/162.ccls. and hydraul \$3	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/04 18:06
S28	474	(rudder same control) same (hydraulic or solenoid)	USPAT	ADJ	ON	2007/09/04 18:31
S29	1584	701/41.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 09:20
S30	367	701/42.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 09:13
S31	6	701/42.ccls. and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 09:13
S32	27	701/41.ccls. and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 11:17
S33	20	correct same rudder same error same ship	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 11:23
S34	1857	701/207.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 11:24

S35	12	701/207.cds. and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 11:29
S36	1	("4074648").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/05 11:33
S37	1	("3852650").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/05 11:36
S38	1	("4595867").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/05 11:55
S39	0	gb-1247735-\$.did.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/05 11:55
S41	11	(feedback and control and error and (rudder or autopilot) and (drive with off) same( (stop or final) with position))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/06 10:05
S42	27	"4739236".urpn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/06 11:18
S43	2	"4739236".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/06 11:19
S44	1	("5034895").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/08 12:32
S45	12	("4069784"   "4074648"   "4253149"   "4336594"   "4524710"   "4590570"   "4692868"   "4747359"   "4769773"   "4777602"   "4799163").PN. OR ("5034895").URPN.	US-PGRUB; USPAT; USOCR	ADJ	ON	2007/09/08 12:32
S48	1	("20060116786").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/10 08:35
S49	1	("7177734").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/10 08:40
S50	1	("6322406").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/10 08:42

S51	1	("6209493").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/09/10 11:33
S52	4394	lockheed as.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/10 11:34
S53	38	lockheed as. and aileron	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/10 11:46
S54	53	lockheed as. and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/10 11:47
S55	1	calibrate with rudder	USPAT	ADJ	ON	2007/09/14 11:45
S56	24	calibrat\$3 with rudder	USPAT	ADJ	ON	2007/09/14 11:45
S57	116166	calibrat\$4 and scale	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/14 12:38
S58	24699	calibrat\$4 with scale	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/14 12:38
S59	131	calibrat\$4 with scale with dynamic	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/14 12:39
S60	1316	calibrat\$4 with scale with weight	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/14 12:39
S61	8	calibrat\$4 with scale with weight with dynamic	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/09/14 12:39
S62	1	("20060229769").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 09:15
S63	1	("6823675").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 09:18
S64	2	((("2003009311") or ("20030131605")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 09:19
S65	2	((("20030093211") or ("20030131605")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 09:24
S66	1	("6311634").PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 09:24
S67	3	((("5406488") or ("5617316") or ("20040006423")).PN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 11:05

S68	1	("6165031").FN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/29 17:31
S69	4	((("6825779") or ("6539288") or ("20070102226") or ("20010020203")).FN.	US-PGRUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/10/30 11:59
S70	1	rudder overshoot	USPAT	ADJ	ON	2007/11/02 20:28
S71	14	rudder with overshoot	USPAT	ADJ	ON	2007/11/02 20:28
S72	2	rudder overshoot	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:29
S73	36	rudder with overshoot	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:50
S74	0	(position (undershoot or overshoot) monitor) with rudder	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:51
S75	0	(position (undershoot or overshoot) monitor) same rudder	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:51
S76	0	(position with (undershoot or overshoot) monitor) same rudder	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:51
S77	0	(position with (undershoot or overshoot) with monitor) same rudder	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:51
S78	21	(position with (undershoot or overshoot) with monitor)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/02 20:51

S79	6	((("5313397") or ("5235927") or ("4223624") or ("6549831") or ("3241015")).PN.	USPAT; USOCR	OR	OFF	2007/11/08 10:55
S80	2063024	zero point calibrat\$4	USPAT	OR	OFF	2007/11/08 11:17
S82	558	(zero point calibration) with rudder\$3	USPAT	OR	OFF	2007/11/08 11:16
S83	17	("4223624").URPN.	USPAT	OR	OFF	2007/11/08 10:57
S84	418632	(zero point calibration) with rudder error	USPAT	OR	OFF	2007/11/08 11:16
S85	0	(zero point calibration) with (rudder error)	USPAT	ADJ	OFF	2007/11/08 11:17
S86	127	zero point calibrat\$4	USPAT	ADJ	OFF	2007/11/08 11:19
S87	1	(zero point calibrat\$4) with rudder\$3	USPAT	ADJ	OFF	2007/11/08 11:18
S88	2	(zero point calibrat\$4) with rudder\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/11/08 11:23
S89	312	zero point calibrat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2007/11/08 11:19
S90	0	(zero calibrat\$4) with rudder\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/11/08 11:20
S91	6	(zero with calibrat\$4) with rudder\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/11/08 11:22
S92	2	(neutral with calibrat\$4) with rudder\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/11/08 11:22
S93	0	(zero point calibrat\$4) with marine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2007/11/08 11:23

S94	551	701/14.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 11:50
S95	0	364/457.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 11:50
S96	0	364/449.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 11:55
S97	553	114/150.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 11:55
S98	195	114/150.ccls. and rudder	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 12:08
S99	2	114/150.ccls. and overshoot	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 12:01
S100	38	114/150.ccls. and (rudder position\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 15:49
S101	6	114/146.ccls. and (rudder position\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 12:42
S102	14	{"20030033969"   "20030150366"   "20050252433"   "3695205"   "3949696"   "4120258"   "5107424"   "5253604"   "6250418"   "6273771"   "6311634"   "6382122"   "6431928"   "6843195").PN.	US-PGRUB; USPAT; USOCR	OR	OFF	2007/11/08 12:46
S103	26	114/158.ccls.	US-PGRUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2007/11/08 15:49
S104	1	("5691894").PN.	USPAT; USOCR	OR	OFF	2007/11/08 19:37
S105	1	("5406488").PN.	USPAT; USOCR	OR	OFF	2007/11/08 19:50
S106	1	("5235927").PN.	USPAT; USOCR	OR	OFF	2007/11/08 19:54
S107	1	("5313397").PN.	USPAT; USOCR	OR	OFF	2007/11/08 19:54
S108	1	("5653314").PN.	USPAT; USOCR	OR	OFF	2007/11/09 10:48
S109	424016	(rudder near[2] error)	USPAT	OR	OFF	2007/11/09 19:11
S110	2226	(rudder near[2] error) same vessel	USPAT	OR	OFF	2007/11/09 19:12

S111	2446	(rudder near[2] error) same solenoid	USPAT	OR	OFF	2007/11/09 19:14
S112	9947	(rudder near[2] error) and (ship or boat)	USPAT	OR	OFF	2007/11/09 19:13
S113	3	(rudder with error) same solenoid	USPAT	OR	OFF	2007/11/09 19:16
S114	12	(rudder near error)	USPAT	OR	OFF	2007/11/09 19:22
S115	20	(rudder near error)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 19:22
S116	1182	monitoring frequency	USPAT	ADJ	OFF	2007/11/14 08:18
S117	25	(monitoring frequency) and (marine or ship or rudder)	USPAT	ADJ	OFF	2007/11/14 08:26
S118	63	(monitor\$3 frequency) and (marine or ship or rudder)	USPAT	ADJ	OFF	2007/11/14 08:26
S119	4	(monitor\$3 frequency) same (marine or ship or rudder)	USPAT	ADJ	OFF	2007/11/14 08:33
S120	2	((monitor\$3 frequency) or (frequency monitor)) same (ship or rudder)	USPAT	ADJ	OFF	2007/11/14 08:34
S121	0	(rate of change) with (rudder position)	USPAT	ADJ	OFF	2007/11/14 13:35
S122	0	(rate of change) same (rudder position)	USPAT	ADJ	OFF	2007/11/14 13:35
S123	0	(rate of change) same (rudder )	USPAT	ADJ	OFF	2007/11/14 13:35
S124	0	(rate of change) same (rudder )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2007/11/14 13:36
S125	239	(rate change) same (rudder )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2007/11/14 13:36
S126	25	(rate change) same (rudder position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2007/11/14 13:36
S127	566	(zero point calibrat\$4) with rudder\$3	USPAT	OR	OFF	2007/11/14 14:52



S128	104	(("5509369") or ("5632217") or ("4595867") or ("4140075") or ("4409639") or ("4590570") or ("6155894") or ("4871332") or ("5941331") or ("6302047") or ("6523489") or ("20010027739") or ("5238204") or ("5758311") or ("3604907") or ("3593093") or ("3590687") or ("3699420") or ("3685478") or ("3670227") or ("3660743") or ("3919961") or ("3902051") or ("3901128") or ("3838656") or ("4040374") or ("4074648") or ("4253149") or ("4257311") or ("4318333") or ("4323884") or ("4326685") or ("4366743") or ("4369400") or ("4370706") or ("4374423") or ("4386553") or ("4426623") or ("4482961") or ("4519334") or ("4524710") or ("4564909") or ("4777602") or ("4799163") or ("4800798") or ("4814764") or ("4825375") or ("4972321") or ("4992713") or ("4998294") or ("5050086") or ("5034895") or ("5179905") or ("5238203") or ("5263662") or ("5313397") or ("5331558") or ("5406488") or	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/06/10 15:01
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		( ("5615119") or ("5657949") or ("5699063") or ("5746392") or ("5803408") or ("5819188") or ("5825021") or ("5836546") or ("5839970") or ("5913492") or ("5951607") or ("6085127") or ("6109986") or ("6211821") or ("6211821") or ("6230642") or ("6273771") or ("6330483") or ("6448734") or ("20020047680") or ("20060082255") or ("20080004724") or ("4919637") or ("5655430") or ("4826465") or ("5857488") or ("3580139") or ("3576192") or ("3908687") or ("3888083") or ("3799096") or ("4092905") or ("4265192") or ("4266497") or ("4342275") or ("4354646") or ("4362117") or ("4364304") or ("4365573") or ("4380206") or ("4388889") or ("4398486")).FN.				
S129	9	("4409639").URPN.	USPAT	ADJ	ON	2008/06/11 11:33

6/ 12/ 2008 2:42:37 PM

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